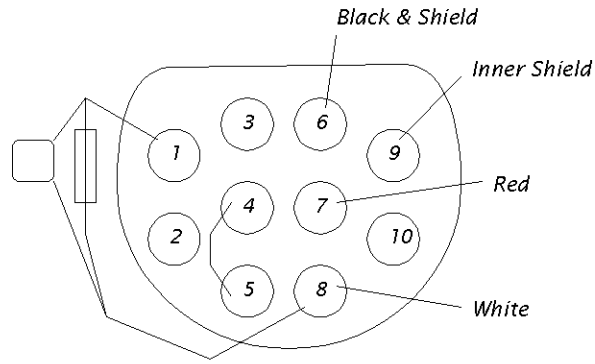
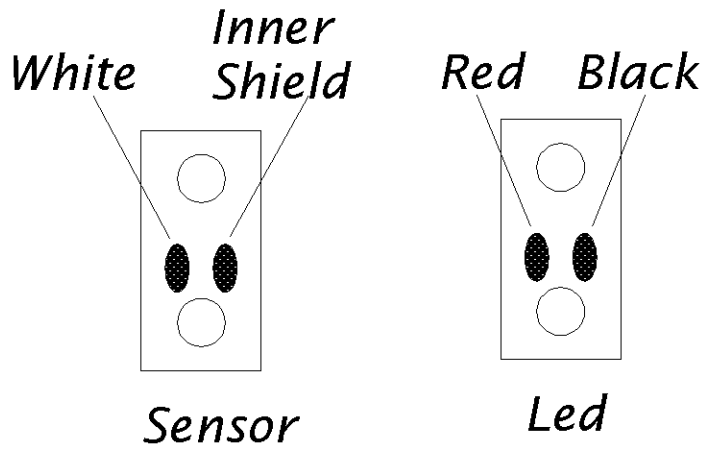
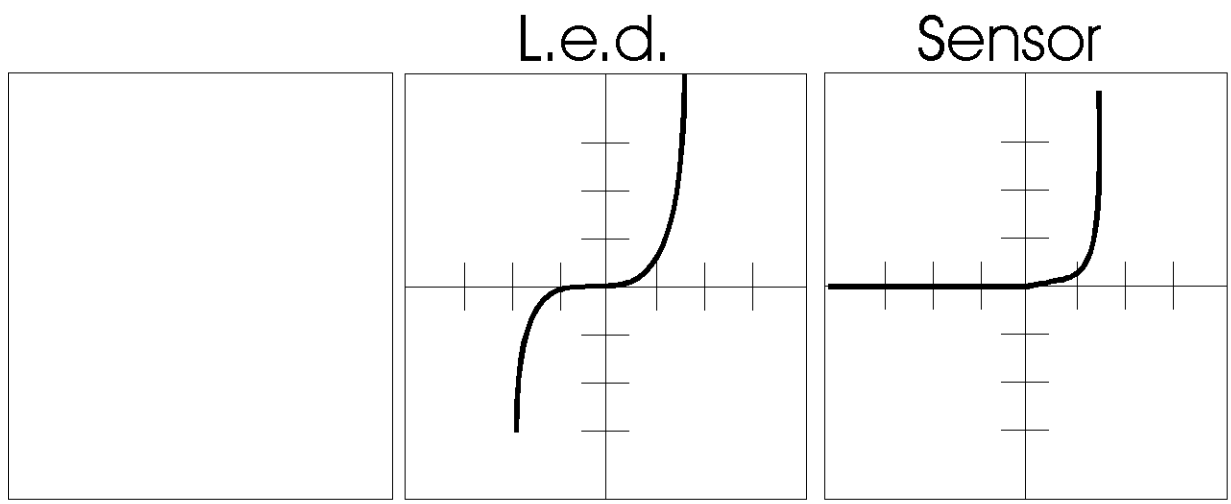
Date	01/04/97	Type	Datex Original (OLD)
Datex1.cmx			



REAR VIEW





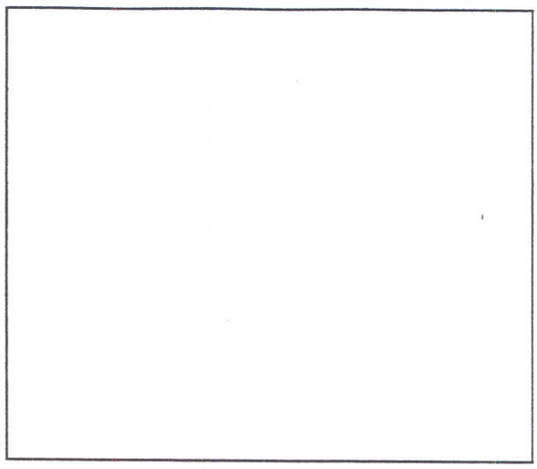
Drawn By:		Signed	

DATEX

SOCKET M.

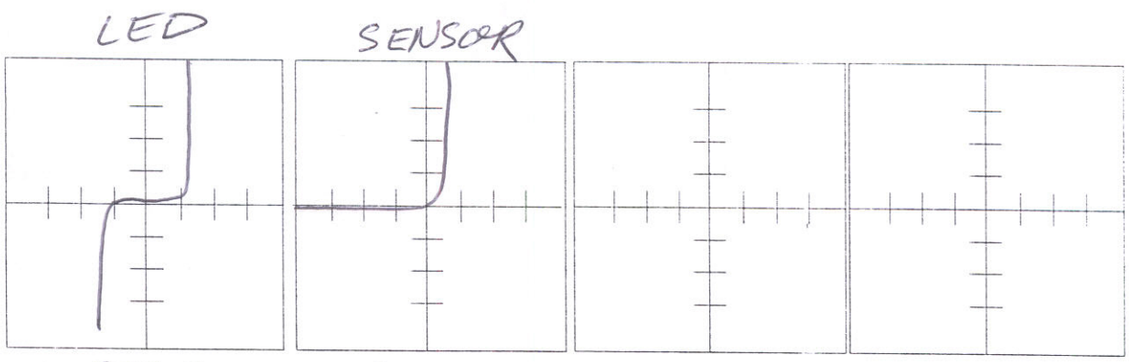
Connector 2 wiring

Pin 1
Pin 2
Pin 3
Pin 4
Pin 5
Pin 6
Pin 7
Pin 8
Pin 9



Test Instructions

Test using Test fixture curve tracer

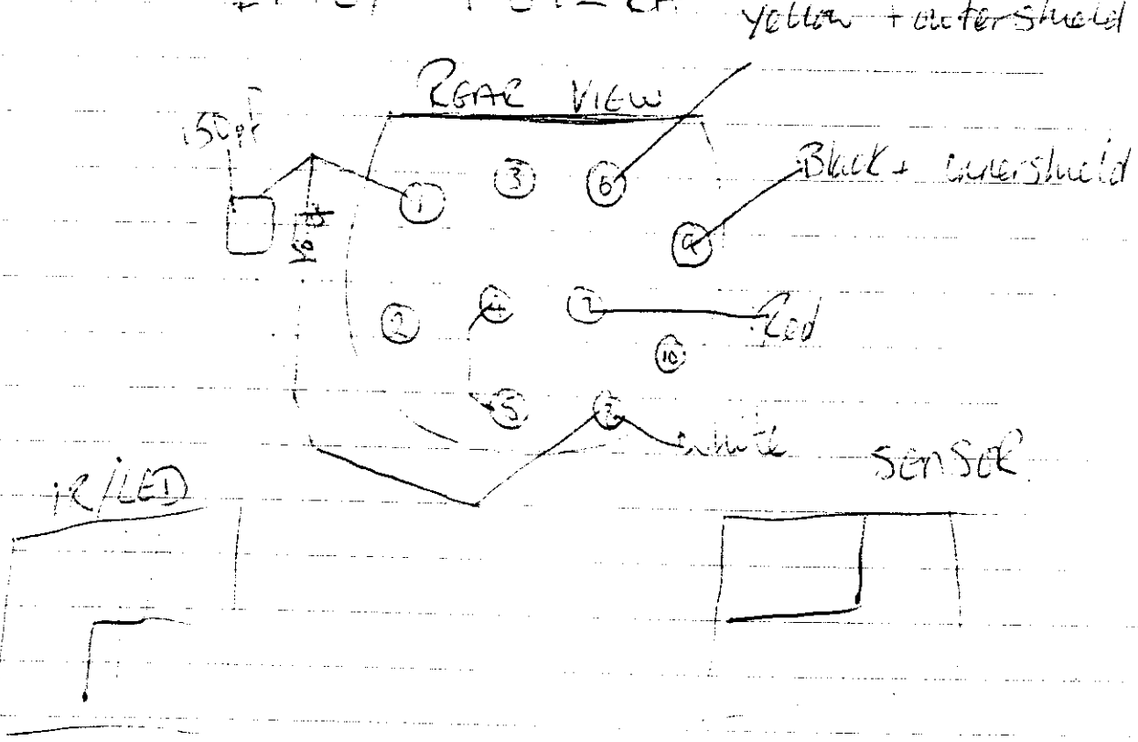


~~DN200~~

SATALITE TRAN-MONITOR.

Drawn BY	
Date	
Checked By	
Date	
Revised By	
Revision Date	
Revision number	

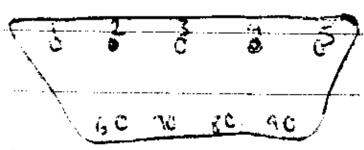
DATEX P372 RA



N/S Blue + orange are cut off

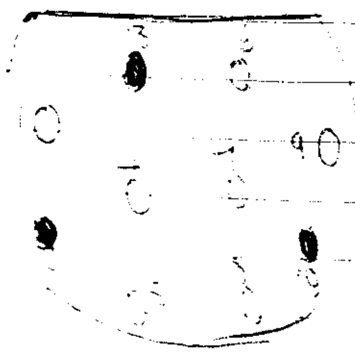
P 973EIC EXTENSION CABLES. (DATEX) 3.7.00

Female



1, Blue
2, N/C
3, Yellow
4, N/C
5, white
6 orange
7 red
8 ~~orange~~ main shield
9, main shield + Black

male



1, 20k res + 150pf cap
2, N/C
3, N/C
4 orange
5, main shield + Blue
6 red
7, yellow
8, white + res + cap
9, overshield + Black
10 / N/C

SHORT DATEX REPAIR

when reusing original cable with Viamed clip

Soldering iron set to 250 degrees, to prevent heat damage to components.

1/ Determine fault - check for poor pad alignment, intermittent or non-existent component connection, physical damage to clip, physical damage to cable, physical damage to connector, and intermittent circuitry at points of strain, such as the clip end strain relief and the connector end strain relief. If there is no damage to the cable or connector, they can be reused. Any parts to be reused should be cleaned thoroughly with isopropyl alcohol or foam cleaner.

2/ Remove pads from shells.

3/ Remove components from pad housing.

4/ Clean excess silicone from components, ensuring that the contacts are as clean as possible.

5/ Desolder old wiring from components.

6/ Reposition components into the new pads, removing any obstacle rubber to allow comfortable fitting of components - note that replacement pads must be the same colour as the original pads, so that components from a white pad must go into a white pad, and component s from a black pad must go into a black pad.

7/ Place a small amount of flowable non-corrosive silicone sealant onto the face of the components and place into pads, ensuring that both emitter and detector are central in pad windows. Note that the silicone on the outside of the pad must run to the contour of the pad to make a smooth window - there should be no doming or sinking of the window. Any excess can be removed with a small screwdriver, also any deficit can be topped up with small amounts of silicone from a screwdriver tip - however these steps should be taken within 2 minutes of the component being placed in the pad, before the silicone has had time to become tacky, so that it is still flowing enough to ensure that the window will return to a smooth flat surface. Leave pads to set for 24 hours

8/ Prepare new cable as follows:

a/ Attach strain relief "0010150," to cable, and glue in position.

b/ Strip back outer cable cover of exposed end flush to strain relief.

c/ Cut back interwoven shield.

d/ Strip and tin red and black wires to required lengths - approximately 2.5 cm from end of cable cover.

SHORT DATEX REPAIR

when reusing original cable with Viamed clip

e/ Cut inner white cable to 8.5 cm from end of outer cable cover, strip last centimetre of inner cable cover, strip and tin end of exposed green wire.

f/ Twist copper coloured shield around itself and tin end.

9/ Resolder wires to components as per relevant diagram.

10/ Reassemble the clip as follows:

a/.Glue white inner cable into channel in detector pad

b/ Fill around component with silicone.

c/ Glue pad support onto back of detector pad.

d/ Glue pad support on to back of emitter pad.

e/ Glue white inner cable into channel in emitter pad.

f/ Fill around component with silicone.

g/ Refit replacement springs “0010140,” around pads.

h/ Push pads into position within clip, making sure that the pad support rim is securely underneath the pad retaining lugs - there are four retaining lugs for each pad. If any lugs are not holding the pad support securely, then add a drop of superglue to the relevant lug.

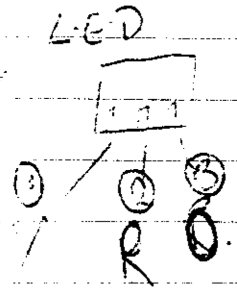
i/ Glue strain relief into position in clip body.

10/ Attach labels to probe as required.

/ Strain relief 7.5-8cm down.

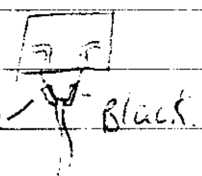
5/ Strip wire + leave shield at about 1cm. tin end.

Blue 2.5cm, tin end. red orange and yellow same as p377's. Tin ends.



1/ Yellow
2/ RED
3/ ORANGE

/ put sensors on white left. Black right

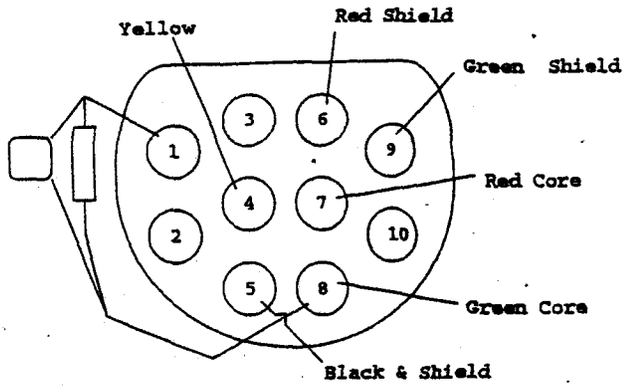


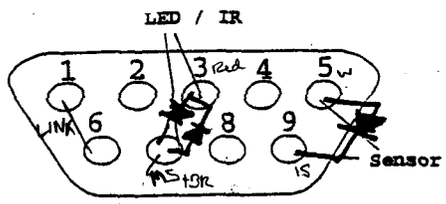
solder 20k r to blue + shield. heatshrink.

Date	12/09/96	Type	Datex Original (NEW)

Schematic's

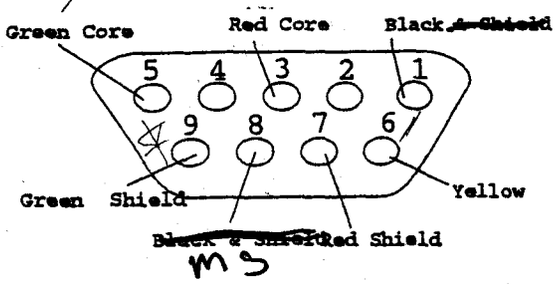
RYT Cable 13' 2"
PROBE CABLE 3'



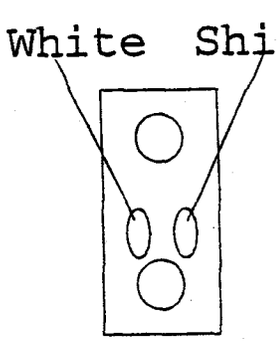


Finger Cable

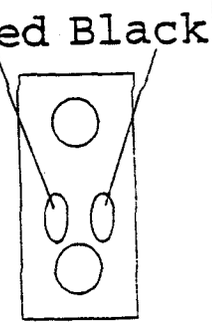
Extension Cable



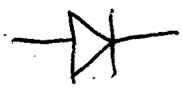
MS

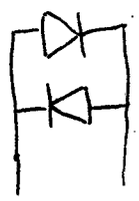


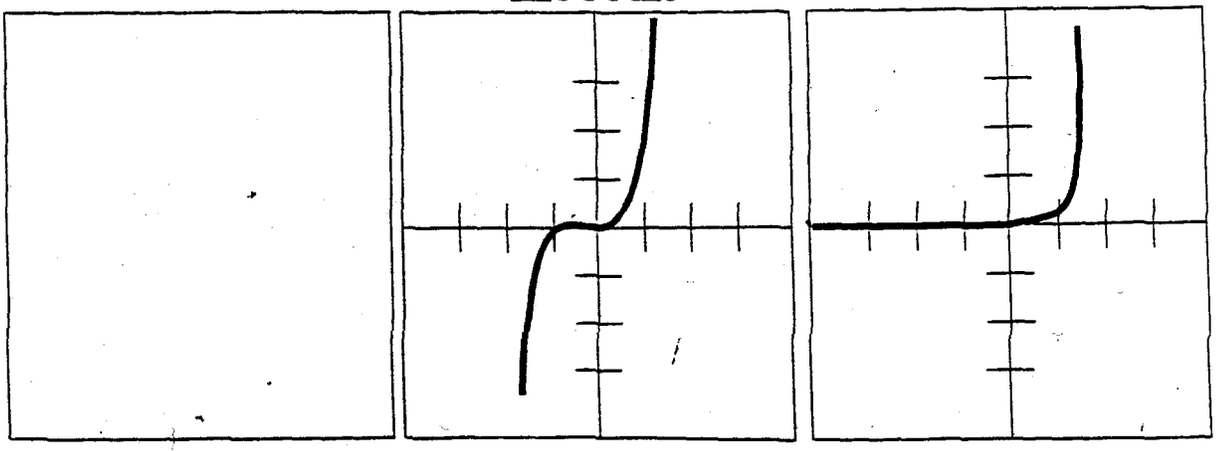
Sensor



Led

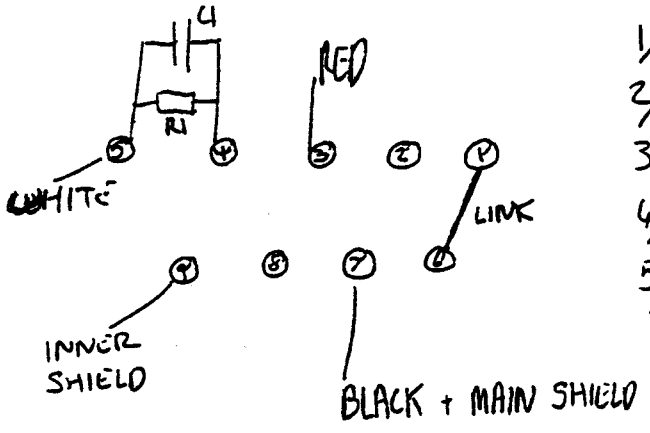






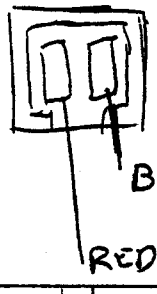
Drawn By:		Signed	

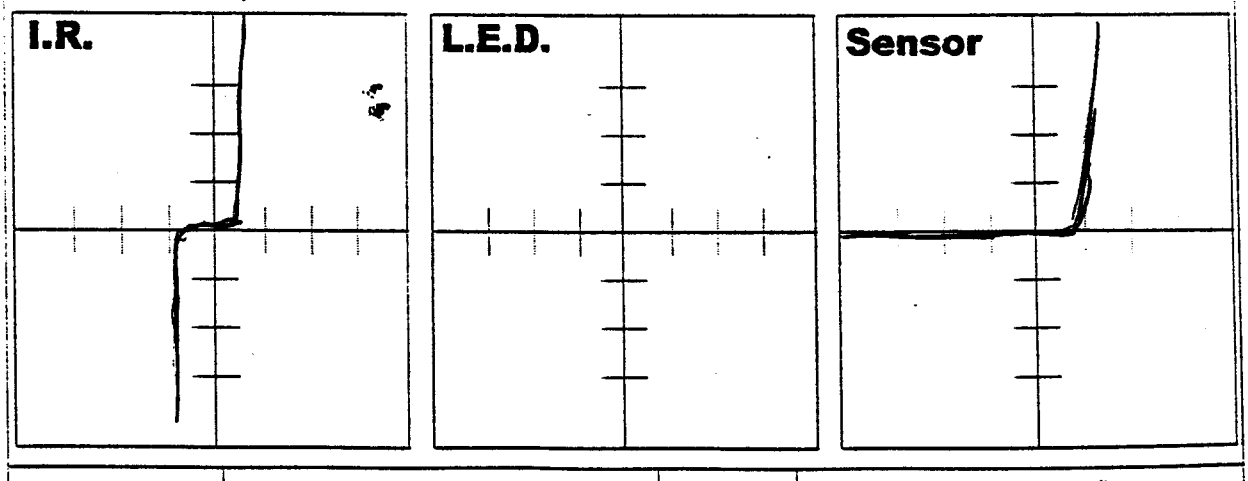
Date		Type	DATEX SHORT PROBE



1/ LINK
2/ -
3/ RED (LED)
4/ C1 + R1
5/ C1 + R1 + WHITE (SENSOR)
6/ LINK
7/ BLACK + MAIN SHIELD (LED)
8/ -
9/ INNER SHIELD (SENSOR)

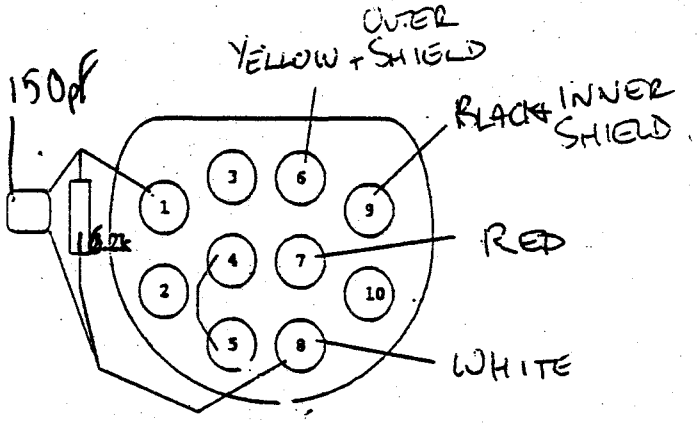
R1 = 33k
C1 = 150 pF



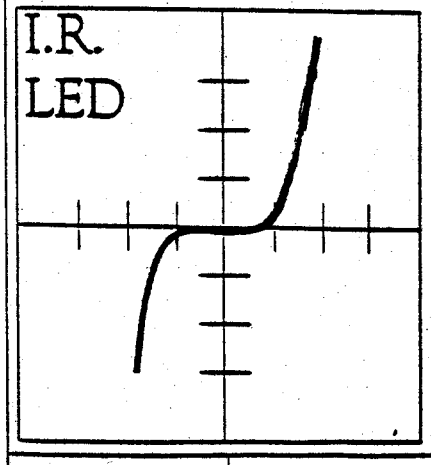


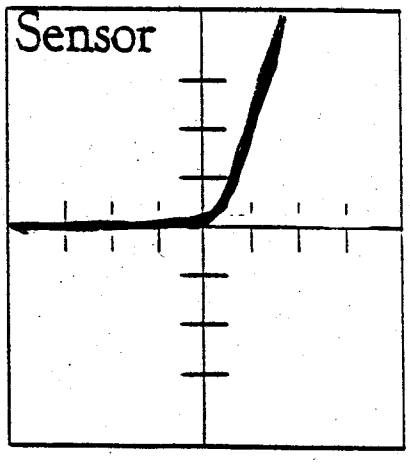
Drawn By:		Signed	

Date	01/04/97	Type	P872RA
Datex3.cmx			



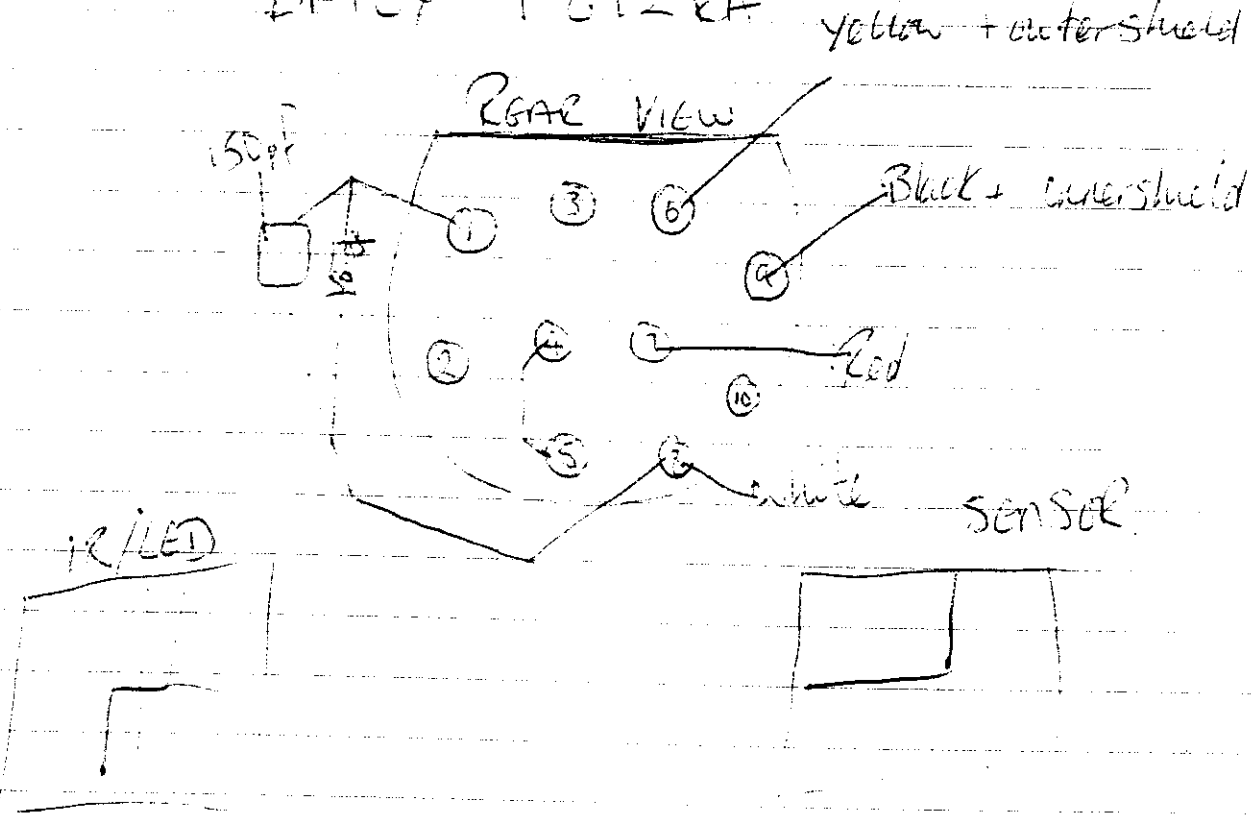
REAR VIEW





Drawn By:		Signed	

DATEY P272 RA



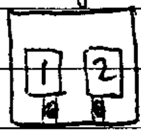
N/C Blue + orange are cut off

21 7 00

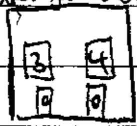
GB

New Short Datex

Detector face down

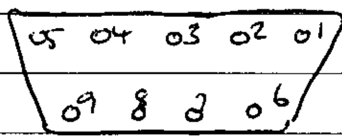


Emitter face down



	Original Cable	Vianed Cable
	1 White	1 White
	2 Green	2 Back
	3 Red	3 Red
	4 Black	4 Yellow

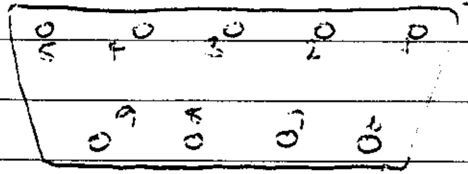
RV



Original Cable	Vianed Cable
1 link to 6	1 link to 6
2 n/c	2 n/c
3 Red	3 Red
4 n/c	4 n/c
5 White	5 White
6 link to 1	6 link to 1
7 Black	7 Yellow
8 Inner Shield	8 Innershield
9 Green	9 Black

Dalen
Shortprobe
31-1-02
DVS

USING Viamed replacement cable



R/V

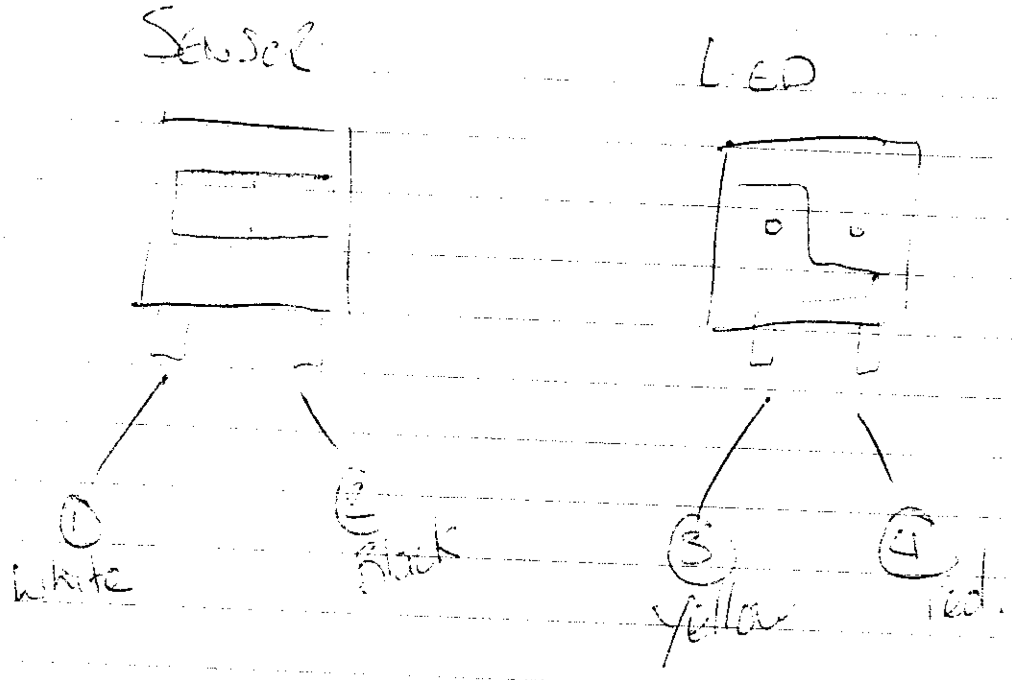
1 Link
2 N/C
3 Yellow (LED)
4 C1 + R1
5 C1 + R1 + White (sensor)
6 Link
7 Red + main shield (LED)
8 N/C
9 Inner shield + black

crossed per original probe/P873

NB. This is also the wiring of a batch of 10 MC-P873-CAB equivalent service cables, made on 2-2-02 · DVS

Vehicle [illegible]

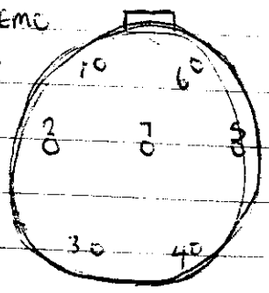
/ Strain relief. Red - yellow left 15cm
undercore. 10cm. black + white 12 cm.



INVIVO

P878 EA [redacted] Connector End

7 pin Lemo



from new parts

1/ 39K resistor
2/ Red
3/ 39K resistor
4/ Blue – converting (yellow).
5/ Black
6/ white
7/ inner/outer shields *

(PDS-C165)
(PDI-E833)

* thin both shields out as they may not fit in connector.

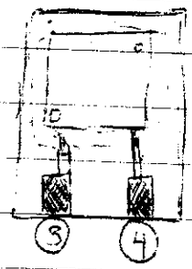
---

w/6/ Conversion use yellow instead of blue

Clip END LED

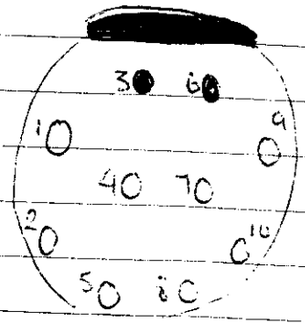
1/ Blue
2/ Red
3/ White
4/ Black

Sensor



[redacted] P888 EA (5+w) 12ft. 10/7/00.

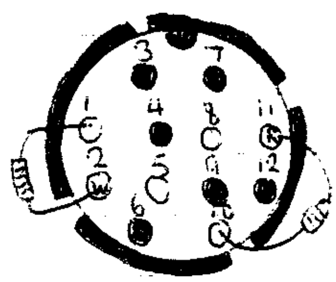
orange
Red
N/C
Yellow
75K r
N/C
100K Resistor
Both shields + both resistors
Black
white



Solder Side

w/6 Conversions use original resistor from P-867 EA + leave all wires on original probe

3/10/02 P886RA Kontron (build from scratch)
12 foot.



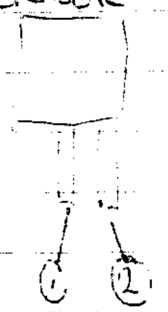
1/ 2.2K res
2/ 2.2K res + white
3/ N/C
4/ N/C
5/ Black
6/ N/C
7/ N/C
8/ Yellow
9/ N/C
10/ 3.3K resistor
11/ 3.3K resistor + Both shields + Red.
12/ N/C

N/B Blue + orange both get cut off

P888RA Rear View

~~LED~~

SENSOR

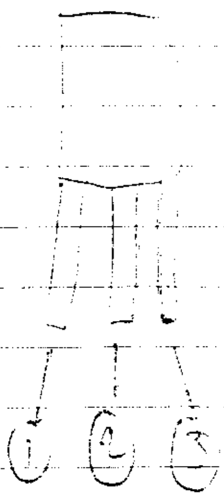


1/ Black
2/ White

S+W Rear View

~~Sensor~~

LED

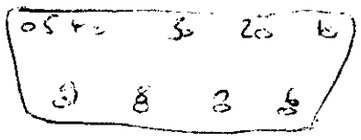


1/ orange
2/ yellow
3/ RED

21/9/00 P9713 (CONVERTED from P9564).

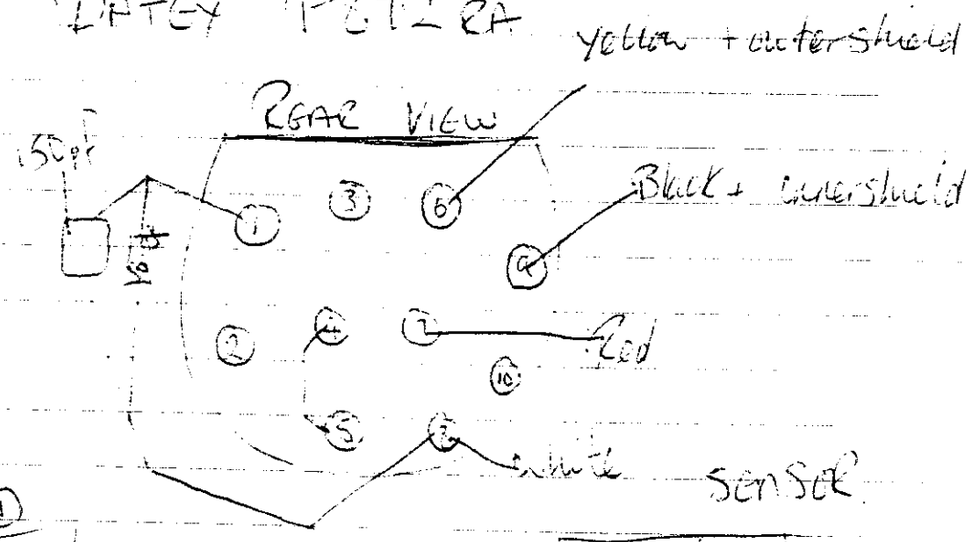
Connector.

Solder side



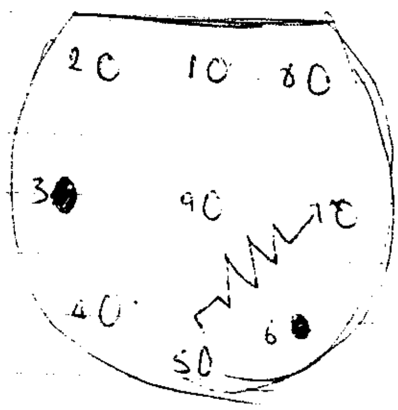
1 White
2 n/c
3 Red
4 Yellow
5 Blue
6 Black
7 n/c
8 Both shields
9 Orange

DATEX P372 RA



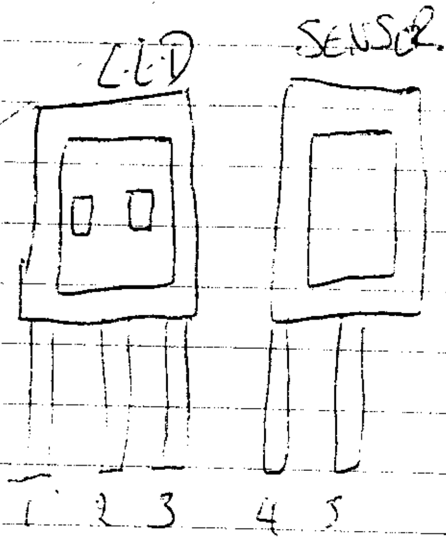
N/S Blue + orange are cut off

28/7/00 P867 RA. Omneda.
Hypertronics 9 Pin insertion side.



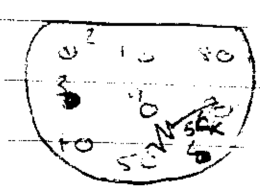
1/ orange
2/ RED
3/ N/C
4/ Yellow
5/
6/ N/C — 68KΩ resistor
7/ shields
8/ white
9/ Black

1/ RED
2/ Yellow
3/ Orange
4/ White
5/ Black



18-9-00 P867RA Chimeda from scratch

1 Orange - Infrared
2 Red - Red
3 n/c
4 Yellow - Common
5 - 56K resistor
6 n/c
7 Both shields / 56K resistor
8 White
9 Black

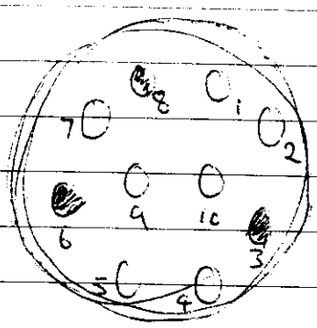


RED Light
Common
I.R

DATE: REPAIR

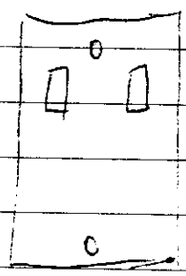
Connector END.

1/ Yellow + main shield
2/ Black + inner shield.
3/ N/C
4/ White + res + cap.
5/ Link



6/ N/C
7/ Resistor + Cap
8/ N/C
9/ Link
10/ RED.

L.E.D.



SENSOR